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1 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997

Proceedings of the 1997 conference of the Centre for Advanced Studies

Full text available:  pdf(4.21 MB)

Additional Information: [full citation](#), [abstract](#)


Understanding distributed applications is a tedious and difficult task. Visualizations based on process the application. The visualization tool we use is Poet, an event tracer developed at the University of user with the desired overview of the application. In our experience, such tools display repeated o

2 Distributed file systems: concepts and examples

Eliezer Levy, Abraham Silberschatz

December 1990

ACM Computing Surveys (CSUR), Volume 22 Issue 4

Full text available:  pdf(5.33 MB)

Additional Information: [full citation](#), [abstract](#)


The purpose of a distributed file system (DFS) is to allow users of physically distributed computers configuration for a DFS is a collection of workstations and mainframes connected by a local area network connected computers. This paper establishes a viewpoint that emphasizes the dispersed structure

3 Pen computing: a technology overview and a vision

André Meyer

July 1995

ACM SIGCHI Bulletin, Volume 27 Issue 3

Full text available:  pdf(5.14 MB)

Additional Information: [full citation](#), [abstract](#)

This work gives an overview of a new technology that is attracting growing interest in public as well the use of a pen or pencil as the primary means of interaction between a user and a machine, pick consequences that will be analyzed and put into context with other emerging technologies and visi

4 Data base directions: the next steps

John L. Berg

November 1976

, Volume 8 , 8 Issue 4 , 2

Full text available:  pdf(9.95 MB)

Additional Information: [full citation](#), [abstract](#)

What information about data base technology does a manager need to make prudent decisions about Standards and the Association for Computing Machinery established a workshop of approximately technology, government regulations, standards, and user experience. Each area prepared a report

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government assessment, user experience

5 Distributed systems - programming and management: On remote procedure call

Patrícia Gomes Soares

November 1992

Proceedings of the 1992 conference of the Centre for Advanced Studies

The Remote Procedure Call (RPC) paradigm is reviewed. The concept is described, along with the supporting these mechanisms is discussed. Extensions to the paradigm that have been proposed to view and classification of RPC mechanisms according to different perspectives, and a snapshot of the

6 Programming languages for distributed computing systems

Henri E. Bal, Jennifer G. Steiner, Andrew S. Tanenbaum

September 1989

ACM Computing Surveys (CSUR), Volume 21 Issue 3

Full text available: [pdf\(6.50 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

When distributed systems first appeared, they were programmed in traditional sequential languages. As distributed applications became more commonplace and more sophisticated, this led to new programming languages specifically for implementing distributed applications. These languages

7 Columns: Risks to the public in computers and related systems

Peter G. Neumann

January 2001

ACM SIGSOFT Software Engineering Notes, Volume 26 Issue 1

Full text available: [pdf\(3.24 MB\)](#)

Additional Information: [full citation](#)

8 Concepts and Notations for Concurrent Programming

Gregory R. Andrews, Fred B. Schneider

January 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 1

Full text available: [pdf\(4.02 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 Computer Communication Networks: Approaches, Objectives, and Performance Considerations

Stephen R. Kimbleton, G. Michael Schneider

September 1975 **ACM Computing Surveys (CSUR)**, Volume 7 Issue 3

Full text available: [pdf\(3.99 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

10 Query evaluation techniques for large databases

Goetz Graefe

June 1993

ACM Computing Surveys (CSUR), Volume 25 Issue 2

Full text available: [pdf\(9.37 MB\)](#)

Additional Information: [full citation](#), [abstract](#)

Database management systems will continue to manage large data volumes. Thus, efficient algorithms provide acceptable performance. The advent of object-oriented and extensible database systems is a problem: In order to manipulate large sets of complex objects as efficiently as today's database systems

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-based

11 IS '97: model curriculum and guidelines for undergraduate degree programs in information systems

Gordon B. Davis, John T. Gorgone, J. Daniel Cougar, David L. Feinstein, Herbert E. Longenecker

December 1996

ACM SIGMIS Database, Guidelines for undergraduate degree programs in information systems, Volume 28 Issue 1

Full text available: [pdf\(7.24 MB\)](#)

Additional Information: [full citation](#), [citations](#)

12 Interactive Editing Systems: Part II







Norman Meyrowitz, Andries van Dam

September 1982

ACM Computing Surveys (CSUR), Volume 14 Issue 3

Full text available: [pdf\(9.17 MB\)](#)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 13 Service infrastructure and network management: MobiDesk: mobile virtual desktop computing
 Ricardo A. Baratto, Shaya Potter, Gong Su, Jason Nieh
 September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**
 Full text available:  [pdf\(580.39 KB\)](#) Additional Information: [full citation](#), [abstract](#)
- We present MobiDesk, a mobile virtual desktop computing hosting infrastructure that leverages cost, and mobility limitations of today's personal computing infrastructure. MobiDesk transparently addresses three key areas: display, operating system, and network. It provides a thin virtualization layer that
- Keywords:** computer utility, network mobility, on-demand computing, process migration, thin-client
- 14 Client-server computing
 Alok Sinha
 July 1992 **Communications of the ACM**, Volume 35 Issue 7
 Full text available:  [pdf\(7.53 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)
- Keywords:** client-server computing
- 15 File servers for network-based distributed systems
 Liba Svobodova
 December 1984 **ACM Computing Surveys (CSUR)**, Volume 16 Issue 4
 Full text available:  [pdf\(4.23 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index](#)
- 16 The design and implementation of hierarchical software systems with reusable components
 Don Batory, Sean O'Malley
 October 1992 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,
 Full text available:  [pdf\(3.15 MB\)](#) Additional Information: [full citation](#), [abstract](#)
- We present a domain-independent model of hierarchical software system design and construction. The model unifies the conceptualizations of two independent projects, Genesis and Avoca, that are successful in modeling. Building-block technologies exploit large-scale reuse, rely on open architecture software
- Keywords:** domain modeling, open system architectures, reuse, software building-blocks, software
- 17 Turning the postal system into a generic digital communication mechanism
 Randolph Y. Wang, Sumeet Sobti, Nitin Garg, Elisha Ziskind, Junwen Lai, Arvind Krishnamurthy
 August 2004 **ACM SIGCOMM Computer Communication Review , Proceedings of the 2004 ACM SIGCOMM**
 Full text available:  [pdf\(331.29 KB\)](#) Additional Information: [full citation](#), [abstract](#)
- The phenomenon that rural residents and people with low incomes lag behind in Internet access is especially acute in developing countries, where most of the world's population lives. Bridging this digital divide, especially by attaining improvement of wide-area connectivity is constrained by factors such as how quickly we can dig d
- Keywords:** network architecture, postal network, storage devices
- 18 Human-computer interface development: concepts and systems for its management
 H. Rex Hartson, Deborah Hix
 March 1989 **ACM Computing Surveys (CSUR)**, Volume 21 Issue 1
 Full text available:  [pdf\(7.97 MB\)](#) Additional Information: [full citation](#), [abstract](#)
- Human-computer interface management*, from a computer science viewpoint, focuses on the process of design, implementation, execution, evaluation, and maintenance. This survey presents important

19 Technique for automatically correcting words in text

Karen Kukich
December 1992

ACM Computing Surveys (CSUR), Volume 24 Issue 4

Full text available:  pdf(6.23 MB)

Additional Information: [full citation](#), [abstract](#)


Research aimed at correcting words in text has focused on three progressively more difficult problem-dependent word correction. In response to the first problem, efficient pattern-matching and n-gram given word list. In response to the second problem, a variety of general and application-specific sp

Keywords: n-gram analysis, Optical Character Recognition (OCR), context-dependent spelling correction, spell checking, spelling error detection, spelling error patterns, statistical-language models, word r

20 The state of the art in locally distributed Web-server systems

Valeria Cardellini, Emiliano Casalicchio, Michele Colajanni, Philip S. Yu
June 2002

ACM Computing Surveys (CSUR), Volume 34 Issue 2

Full text available:  pdf(1.41 MB)

Additional Information: [full citation](#), [abstract](#)

The overall increase in traffic on the World Wide Web is augmenting user-perceived response time platforms that do not replicate information content cannot provide the needed scalability to handle clients. The need to improve the performance of Web-based services has produced a variety of no



Keywords: Client/server, World Wide Web, cluster-based architectures, dispatching algorithms, d

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